

## ABSTRACT OF THE DISCLOSURE

A film forming apparatus and a method of driving this apparatus control vibrations imparted to a liquid, by a discharge waveform (a first signal) that causes liquid drops to be discharged and by a micro vibration waveform (a second signal) that does not  
5 cause liquid drops to be discharged and that also imparts a shear rate to the liquid that lowers the viscosity of the liquid.